

Figure 1

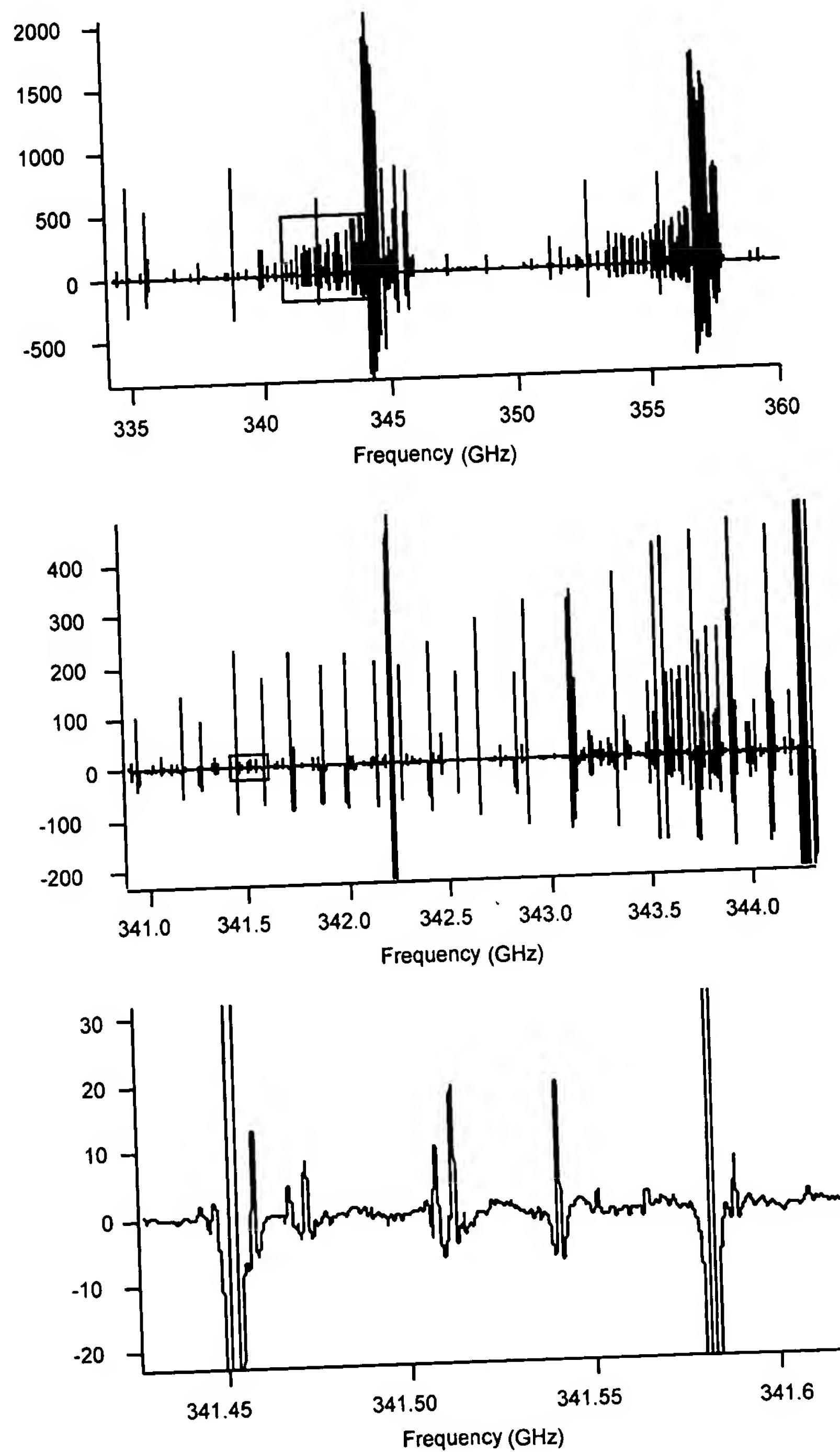


Figure 2

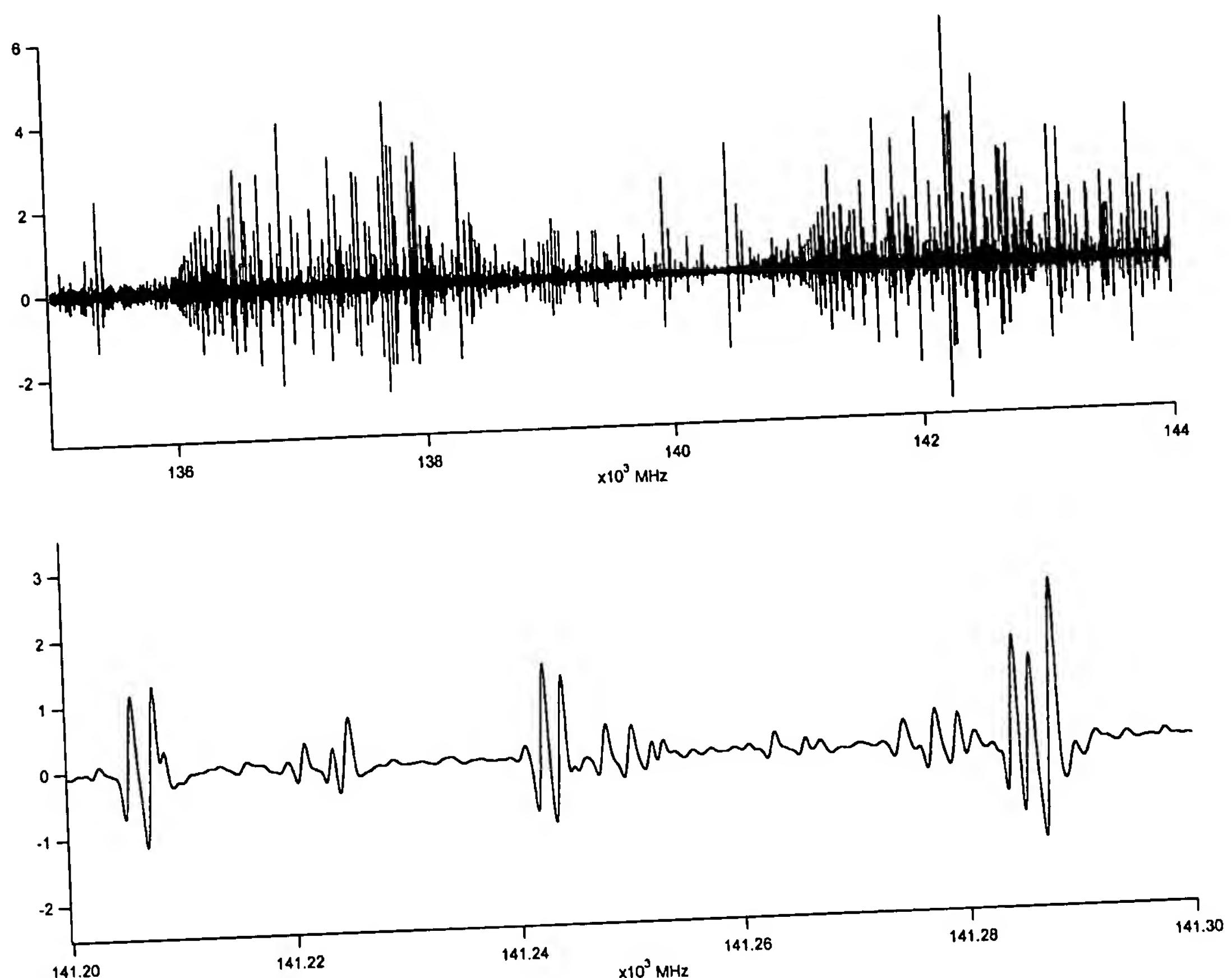


Figure 3

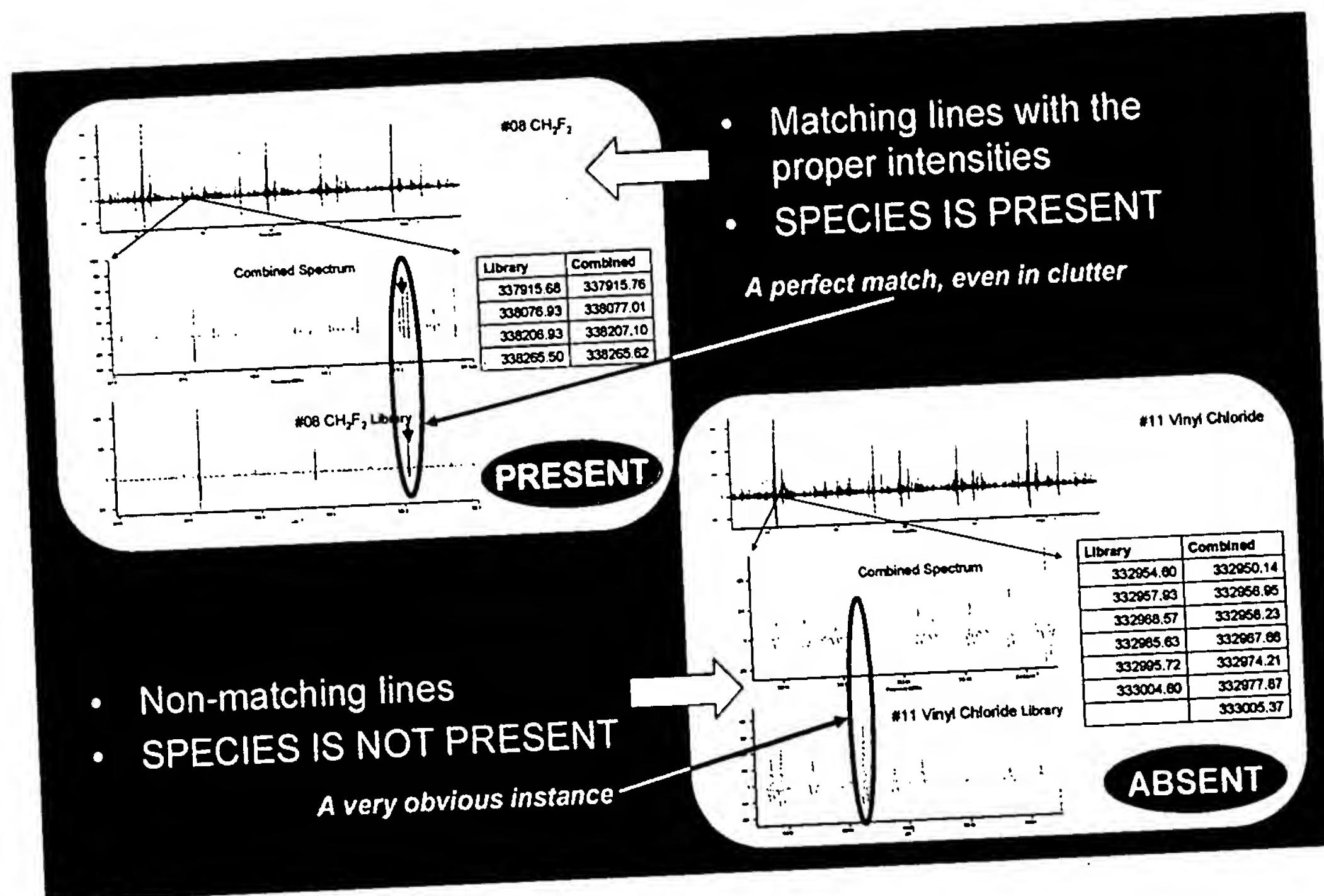


Figure 4

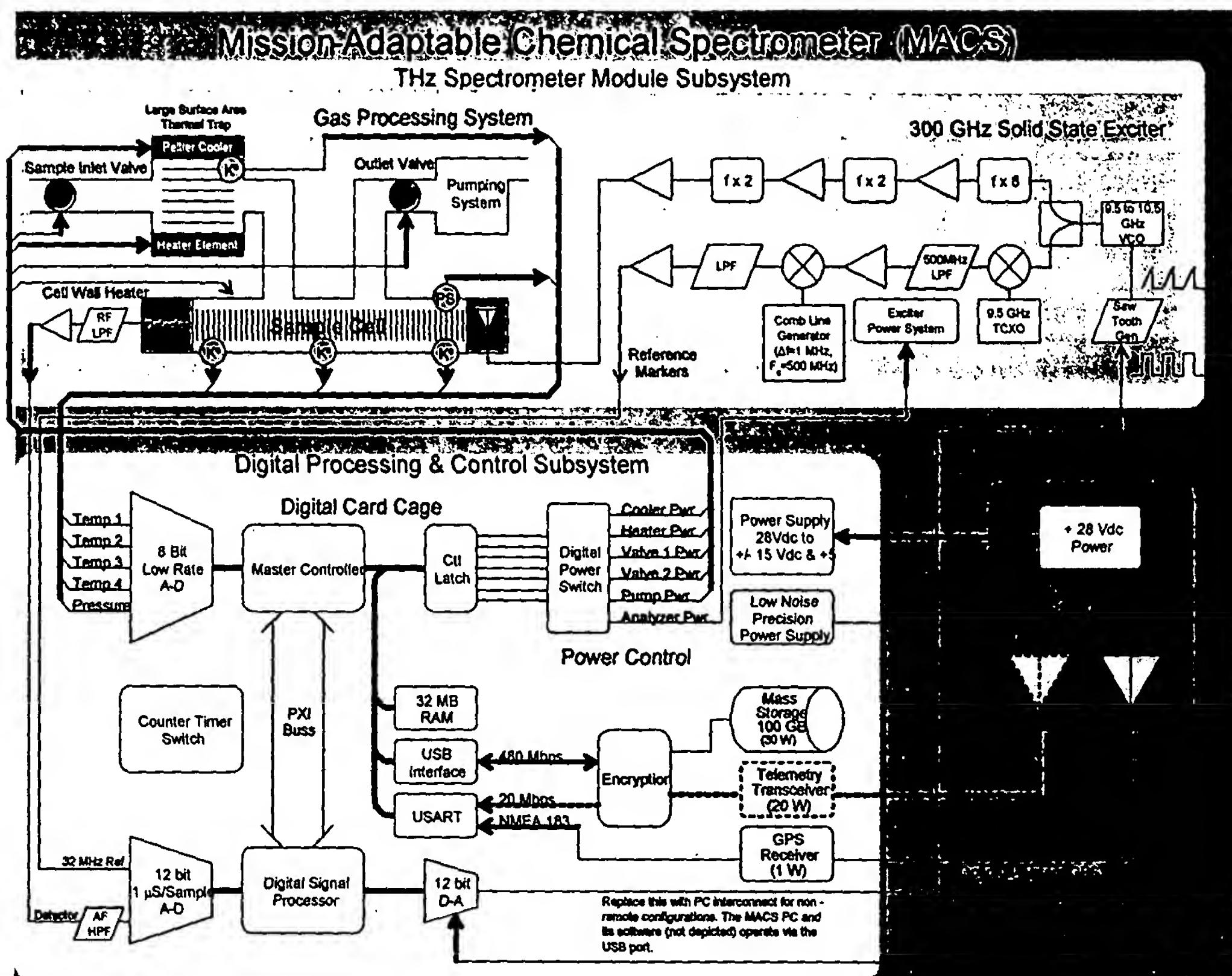


Figure 5

Amplifier Based 330 GHz Source

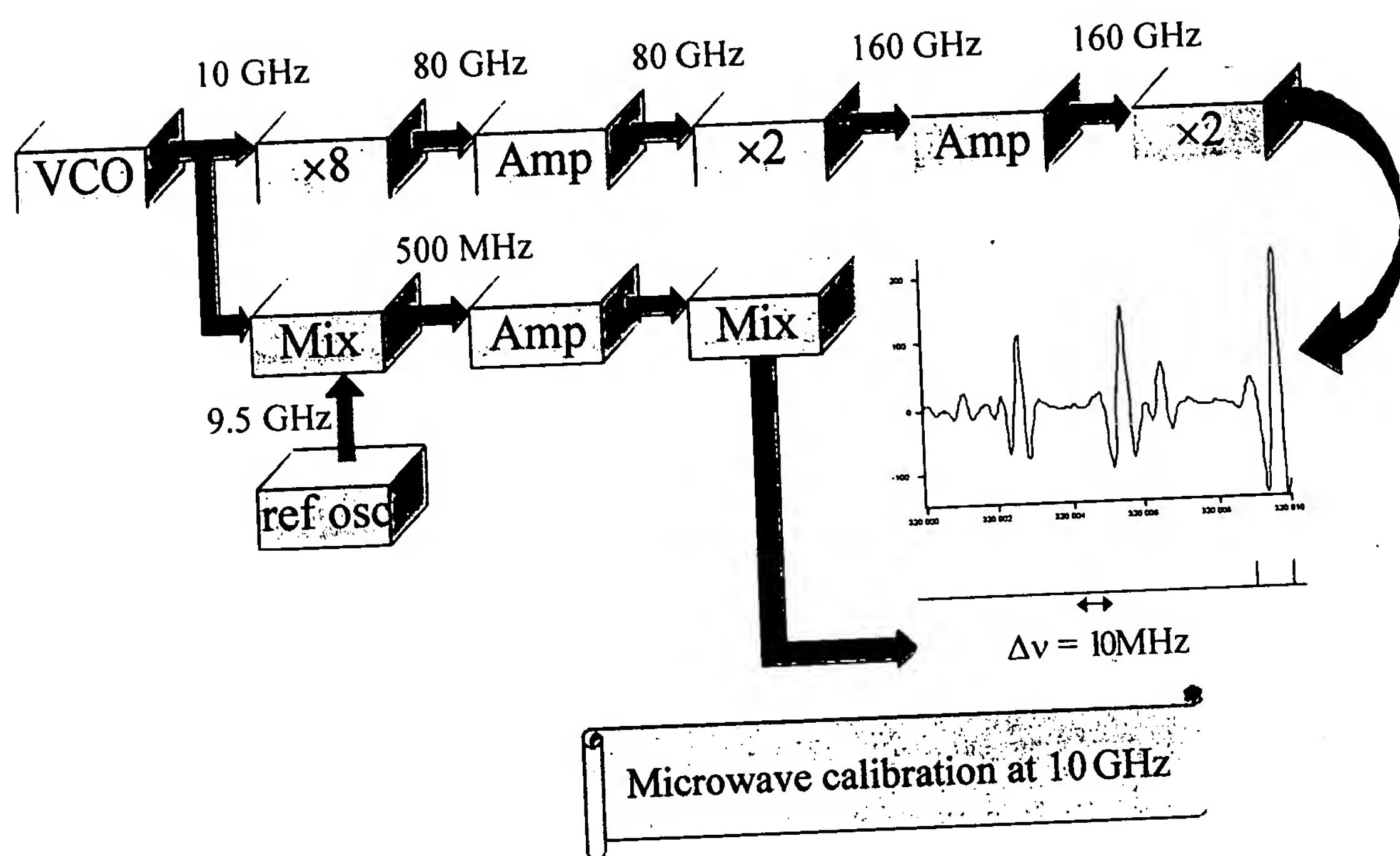
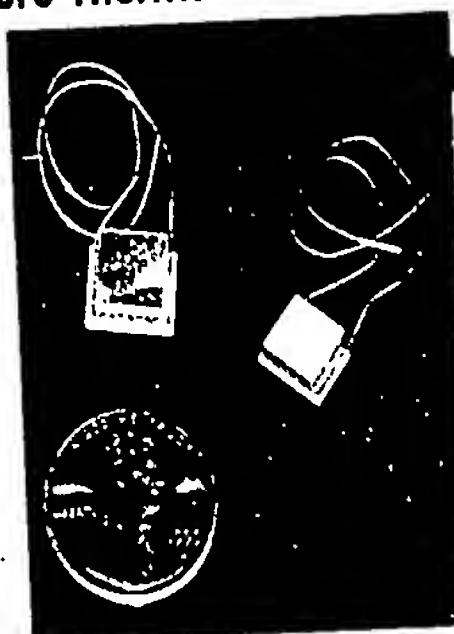


Figure 6

Sample supporting technology starting points...

MEMS Micro Pumps and Valve Technology

Micro Thermoelectric Coolers



GAS COLLECTION AND FRACTIONATION CELL

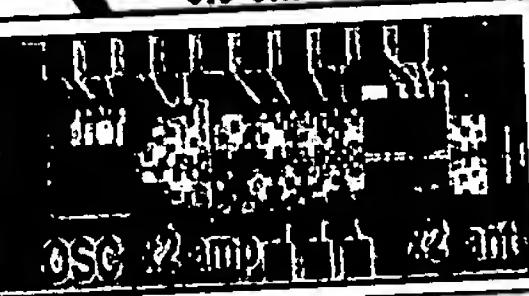
HEAT EXCHANGER

VAR SPEED FAN
OR MICRO FOREPUMP

SAMPLE CELL
(WAVEGUIDE)

MICRO VACUUM PUMP

0.5 cm



Micro TeraHertz Detectors
and Emitters

Sample Cell with
Peltier Heaters
Providing Internal
Control & Cell Pressing

Figure 7

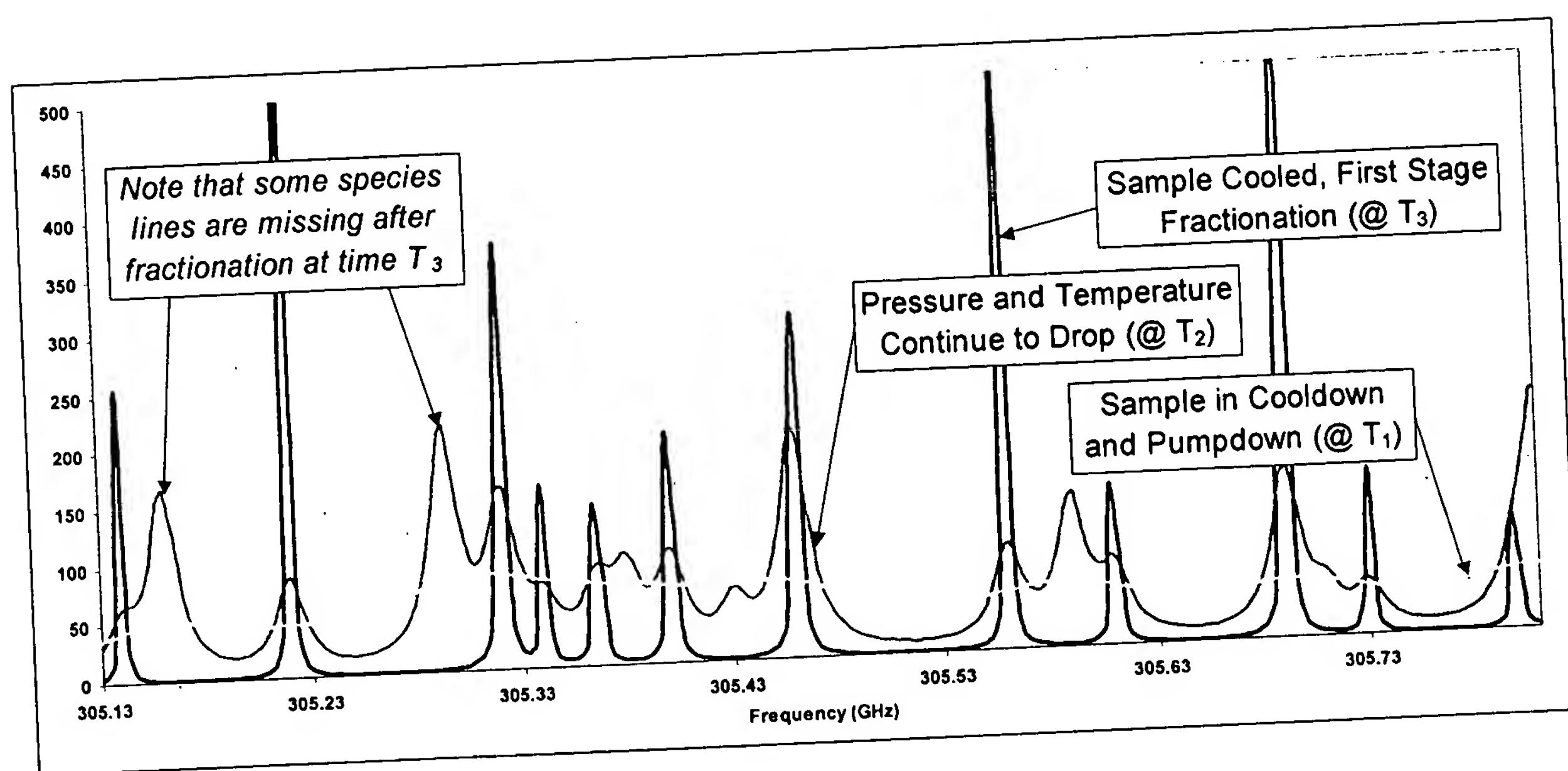


Figure 8

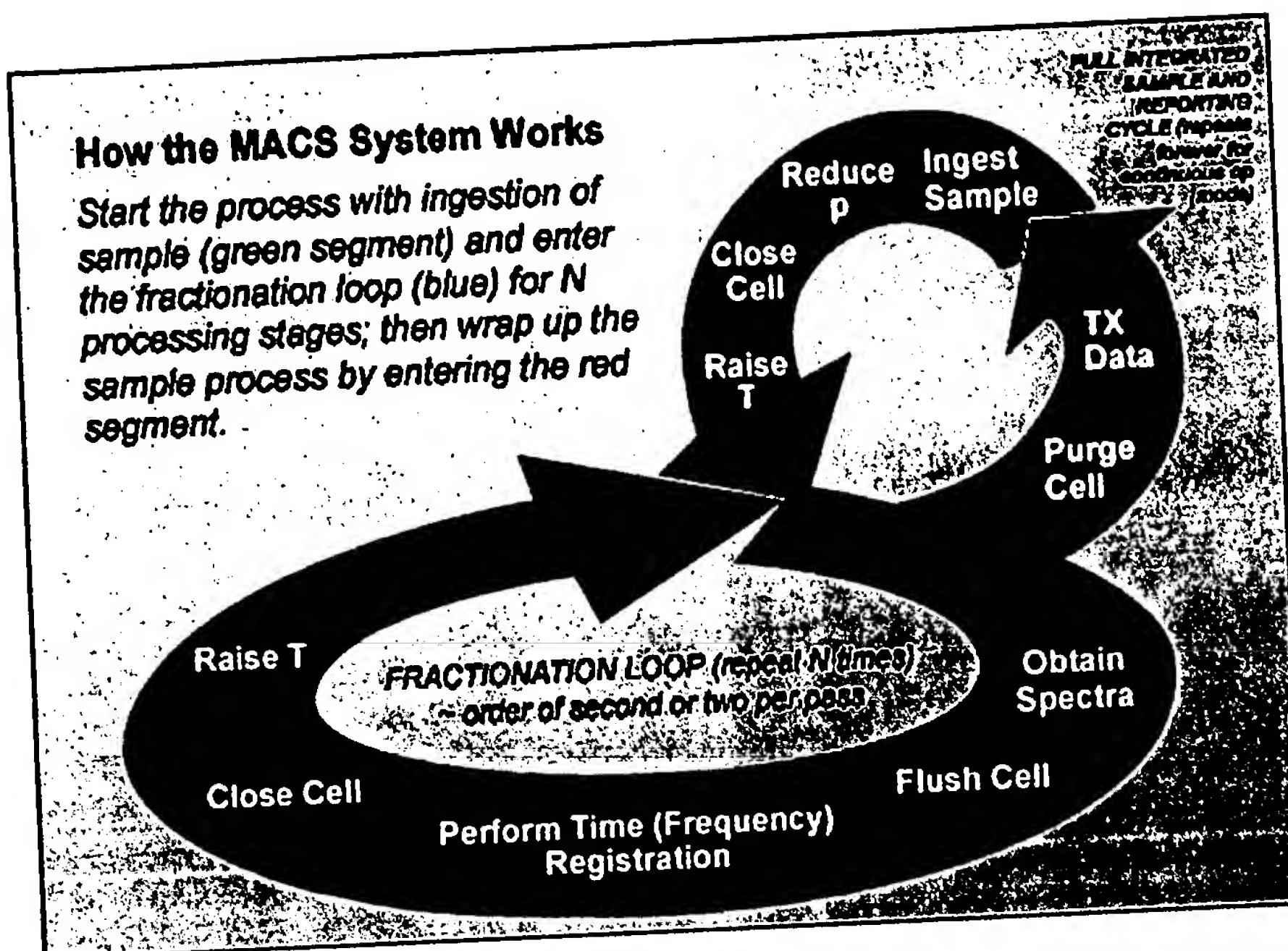


Figure 9

Figure 10

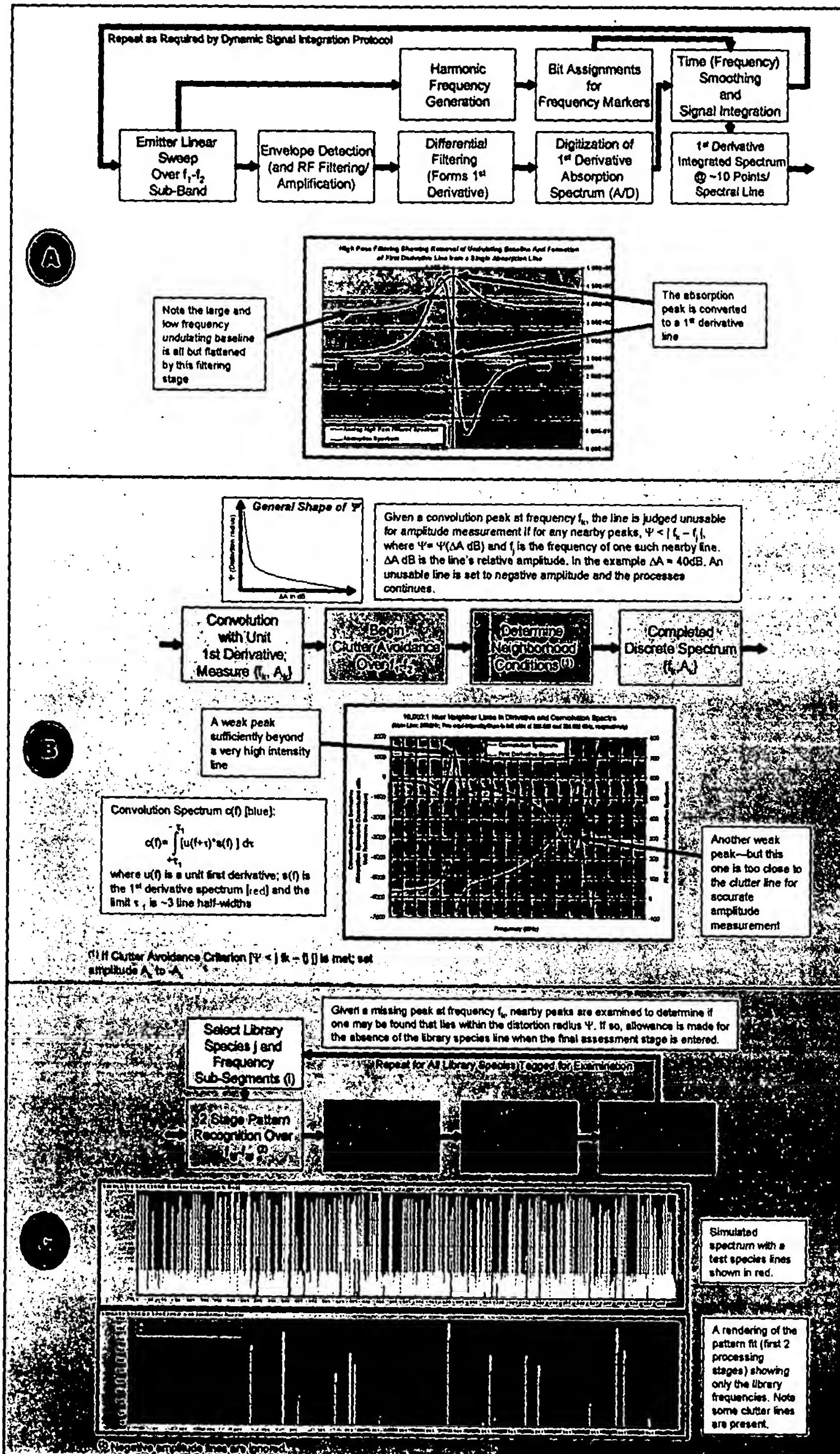


Figure 11

